

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



SEQUENCE LISTING

<110> Horsburgh, Brian  
Qiang, Dong  
Tufaro, Francis  
Ostrove, Jeffrey

<120> ARTIFICIAL CHROMOSOME CONSTRUCTS  
CONTAINING FOREIGN NUCLEIC ACID SEQUENCES

<130> 08582/007003

<140> 10/701,152  
<141> 2003-11-04

<150> 09/922,271  
<151> 2001-08-03

<150> 09/031,006  
<151> 1998-02-26

<160> 16

<170> FastSEQ for Windows Version 4.0

<210> 1  
<211> 18  
<212> DNA  
<213> Escherichia coli

<400> 1  
aggccggata gcttgtgc

18

<210> 2  
<211> 19  
<212> DNA  
<213> Escherichia coli

<400> 2  
cggAACAGAG AGCGTCACA

19

<210> 3  
<211> 28  
<212> DNA  
<213> Escherichia coli

<400> 3  
ggATGAGGAT CGGTACCCAT GATTGAAC

28

<210> 4  
<211> 28  
<212> DNA  
<213> Escherichia coli

<400> 4  
ataCTCATAC TCGAGCTCTT CCTTTTTC

28

<210> 5		
<211> 20		
<212> DNA		
<213> Herpes Simplex Virus		
<400> 5		
ccgaatgctc ctacaacaag	20	
<210> 6		
<211> 20		
<212> DNA		
<213> Herpes Simplex Virus		
<400> 6		
gtcttccggg gcgagttctg	20	
<210> 7		
<211> 20		
<212> DNA		
<213> Herpes Simplex Virus		
<400> 7		
ggtgttagccg tgcccctcag	20	
<210> 8		
<211> 20		
<212> DNA		
<213> Herpes Simplex Virus		
<400> 8		
gcagatacgt cccgctcagg	20	
<210> 9		
<211> 21		
<212> DNA		
<213> Herpes Simplex Virus		
<400> 9		
atcaacttcg actggccctt c	21	
<210> 10		
<211> 21		
<212> DNA		
<213> Herpes Simplex Virus		
<400> 10		
ccgtacatgt cgatgttcac c	21	
<210> 11		
<211> 20		
<212> DNA		
<213> Herpes Simplex Virus		
<400> 11		
accgcttcct cttcgcttcc	20	
<210> 12		
<211> 20		

<212> DNA	
<213> Herpes Simplex Virus	
<400> 12	
ccgcagaag gttgttggtg	20
<210> 13	
<211> 27	
<212> DNA	
<213> Herpes Simplex Virus	
<400> 13	
cctctcgggc acagctgtgc gattgtg	27
<210> 14	
<211> 28	
<212> DNA	
<213> Herpes Simplex Virus	
<400> 14	
aagcgtgacc gcagctggaa cacggctg	28
<210> 15	
<211> 25	
<212> DNA	
<213> Herpes Simplex Virus	
<400> 15	
cgtgtctgca agcttacggc cagtc	25
<210> 16	
<211> 29	
<212> DNA	
<213> Herpes Simplex Virus	
<400> 16	
ccatgccgct gaagcttatg gagcgcagg	29